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PTO/SB/81 (10-00)  
Approved for use through 10/31/2002. OMB 0651-0035  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

# POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	09/811,904
Filing Date	March 19, 2001
First Name of Inventor	Richard P. Torti
Group Art Unit	2881
Confirmation No.	7642
Attorney Docket Number	11460-109

I hereby appoint:

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OR

☐ Practitioner(s) named below:

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Jacob N. Erlich	24,338
Christine M. Kuta	38,001
Stephen Y. Chow	31,338
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Dr. Chester A. Bisbee	44,538

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I am the:

☒ Applicant.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

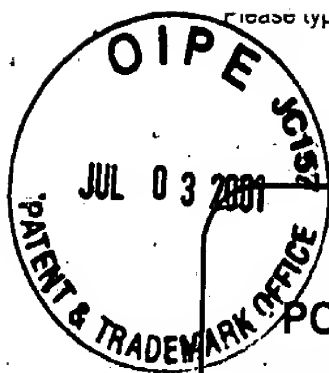
## SIGNATURE of Applicant or Assignee of Record

Name	Richard P. Torti
Signature	<i>Richard P. Torti</i>
Date	25 June 01

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 1 forms are submitted.

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	<b>Filing Date</b>	March 19, 2001
	<b>First Named Inventor</b>	Richard P. Torti
	<b>Group Art Unit</b>	2881
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**SIGNATURE of Applicant or Assignee of Record**

<b>Name</b>	Matthew C. Gwinn
<b>Signature</b>	
<b>Date</b>	6/25/01

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Application Number	09/811,904
Filing Date	March 19, 2001
First Named Inventor	Richard P. Torti
Group Art Unit	2881
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Attorney Docket Number	11460-109

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☐ Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

**SIGNATURE of Applicant or Assignee of Record**

Name Jerald P. Dykstra

Signature

Date

JUNE 25, 2001

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#3

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☐ Declaration  
Submitted With Initial  
Filing

OR

☒ Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Docket Number	11460-109
First Named Inventor	Richard P. Torti
<b>COMPLETE IF KNOWN</b>	
Application Number	09/811,904
Filing Date	March 12, 2001
Group Art Unit	2881
Confirmation No.	7642

**As a below named inventor, I hereby declare that:**

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**DETECTOR AND METHOD FOR CLUSTER ION BEAM DIAGNOSTICS**

the specification of which (Title of the Invention)

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) **03/19/2001** as United States Application Number or PCT International

Application Number **09/811,904** and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America; listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY) Country	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.
60/190,781	03/20/2000	

[Page 1 of 2]

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## DECLARATION — Utility or Design Patent Application

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given  
Name

Richard P.

Family Name  
or Surname

Torti

Inventor's  
Signature

*Richard P. Torti*

Date

25 JUNE 01

Residence: City

State

Country

Citizenship

Burlington

MA

USA

USA

Mailing Address

c/o Epion Corporation

Mailing Address

37 Manning Road

City

State

ZIP

Country

Billerica

MA

01821

USA

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given  
Name

Matthew C.

Family Name  
or Surname

Gwinn

Inventor's  
Signature

*Matthew C. Gwinn*

Date

6/25/01

Residence: City

State

Country

Citizenship

Salem

MA

USA

USA

Mailing Address

c/o Epion Corporation

Mailing Address

37 Manning Road

City

State

ZIP

Country

Billerica

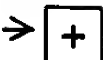
MA

01821

USA

☒ Additional Inventors are being named on the 1 supplemental Additional Inventor(s) sheet PTO/SB/02A attached hereto.

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**DECLARATION**
**ADDITIONAL INVENTOR(S)**  
**Supplemental Sheet**  
 Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Jerald P.		Family Name or Surname Dykstra	
Inventor's Signature <i>Jerald P. Dykstra</i>		Date JUNE 25, 2001	
Residence: City Austin	State TX	Country USA	Citizenship USA
Mailing Address c/o Epion Corporation			
Mailing Address 37 Manning Road			
City Billerica	State MA	ZIP 01821	Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country

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